

Vol. XLIV No. 87

CAMBRIDGE, MASS., FRIDAY, FEBRUARY 20, 1925

Five Cents

## RUNNERS COMPETE IN LEGION GAMES IN ARMORY MONDAY

**Coach Hedlund Has Large Field Entered in Annual Track Contest**

### NO RELAY RACE PLANNED

**Technology To Be Represented By Fast Quartet in 600 Yard Event**

Track enthusiasts at Technology will again have a chance to see the engineer track men in action when the varsity runners compete in the American Legion Games to be held in the East Armory, Boston, on Monday afternoon. So far this season, the Tech runners have participated in Boston in the E. A. meet and in the K. of C. contest. The meet Monday proves to be fully as interesting as either of these engagements.

Coach Hedlund has entered a large field in the various events and included among the entrants are a number who should make a creditable showing for Technology. Hank Steinbrenner, sophomore hash, is entered in his favorite event, the fifty yard hurdles in which he did so well in the K. of C. meet a few weeks ago.

#### No Relay Scheduled

Steinbrenner has been showing up well in recent practices and is in fine fettle to make a wonderful showing Monday. J. L. Collins, a freshman, is the only other Technology entrant in this event. The 600 yard run will bring together some of the fastest runners at the Institute and is the event in which Technology should make its best showing.

George Leness, "Charley" Boardman, "Ike" Stephenson and Howlett will start for the engineers in the 600 and will give all of their attention to this event as no relay race is scheduled. Rumors that Technology would run the mile relay team against Colby at the Legion Meet were officially denied by the managers yesterday.

The Armory board oval is none too steady and the coaches have deemed it inadvisable to risk the possibility of a fall that might have serious consequences. Evidently they are not desirous of a repetition of Glen Bateman's tumble in the relay race against Brown University in the K. of C. meet at Mechanics Hall.

Captain Frank Bemis of the engineer cross country team of last fall, will try his legs in indoor competition as an

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## TICKETS FOR JUNIORS WILL BE READY TODAY

Plans for the Junior dance are complete, and distribution of tickets will be made in the main lobby today. The dance is free to all members of the Class of 1926, and only they will be issued tickets. The dance is to be held in Hotel Somerset on the evening of Thursday, March 5.

Juniors may receive their tickets by applying in the main lobby. The committee wishes it understood that the dance is for Juniors only, and that no outsiders nor members of the other three classes will receive tickets.

Owing to the fact that the dance is being paid for out of class funds, which are necessarily limited, no refreshments will be served. This dance is the first free dance that the Class of 1926 has given to its members. It will be a formal program dance. The Tunesters will play from 8:30 to 1 o'clock for the dancing. An advance list of the order of dances will appear soon.

R. W. Head '26, president of the class is chairman ex-officio of the committee in charge of arrangements, F. E. Walsh '26 is in charge of the programs, and J. E. Walker '26 is in charge of the finances.

There will be no issue of THE TECH Monday, February 23, on account of the holiday. The next issue will be Wednesday, February 25.

### Copy of T.E.N. Makes New Distance Record

Tech Engineering News can justly claim the widest circulation of any Institute publication, judging from an incident which occurred when the February number was on sale. A foreign student, while purchasing a copy of the engineering magazine, remarked that after he reads the publication every month, he forwards it to a student at an English college. That student later mails it to a student in Germany, who in turn sends it on to a student in Bombay, India. Eventually, the magazine is filed in the library of a college in India. All in all, that's making 15 cents go a long way!

## DR. WHITNEY NEXT ALDRED LECTURER

### Research Expert Is Non-Resident Professor—Speaks Here February 27

Professor Vannevar Bush '16, operating with Mr. Aldred in the presentation of the Aldred Series of lectures, announces that he has secured as the next speaker Dr. W. R. Whitney '90, Director of the Research Laboratory of the General Electric Company. He will address Seniors, Graduate students, and members of the Faculty on next Friday afternoon in room 10-250 at 3 o'clock.

Dr. Whitney, a graduate of Course V, is the second Institute alumnus to give one of the Aldred talks of this year's series, P. W. Litchfield '96, vice president and general manager of the Good-year Tire and Rubber Company having spoken early in January.

#### In Graduate of Institute

After receiving his degree at Technology, and also a Ph. D. from the University of Leipzig in 1896, Dr. Whitney became an assistant instructor, then as assistant professor at the Institute until 1904. During the next four years he was a non-resident associate professor and since that time has been a non-resident Professor of Theoretical Chemistry. He is also a term member of the Corporation.

He has been at the head of the Research Laboratory of the General Electric Company since 1904 and is considered one of the foremost research men in the country. In recognition of some of his remarkable work he received the Willard Gibbs medal of the American Chemistry Society in 1910, the Chandler Medal from Columbia University in 1920, and the Perkin Medal from the American Section of the Chemical Industry in 1921.

The speaker has been a member of the United States Consulting Board during the past ten years, and also a member of the National Research Council. He is past president of the American Chemical Society, American Electro-Chemical Society, American

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## NOW DECIDED THAT CIRCUS WILL TAKE PLACE IN ARMORY

Two Chariot Races and a Regular Alaskan Dance Hall and Bar Features

### CALLIOPE PART OF PARADE

### Professional Societies Plan Variety of Original Side Shows

It was announced yesterday by the Circus Committee that the Massachusetts Avenue Armory, across from the Institute, has been at last definitely obtained for staging the Technology Circus a week from today. The uncertainty of knowing where the circus is to be held has been a very disturbing factor to the committee, since the latter had no idea just how much space could be devoted to the various booths and acts.

The committee has heard that the fair which was to have been put on at the armory for a few days preceding the day of the circus, has been postponed, so that the circus will not be able to make use of the booths left by the fair, as was originally planned. The committee consequently will have to expend more money in constructing the booths than was first anticipated.

#### To Hold Two Chariot Races

Two chariot races will be run at the circus, one open to all who wish to enter, and the other for the winners of the races at the two previous circuses. The "chariots" will consist of wash tubs, padded on the bottom, and driven by four "horses." Those in charge of the races declare that they expect they will make the famous race of Ben Hur and Messala look like a fizzie, in the point of thrills.

Several of the activities will join in putting on a realistic Alaskan dance hall with all the fixings, from a pre-Volstead bar, to plenty of fair barmaids to keep things interesting. The management has already procured licenses permitting the dispensing of liquid refreshments, and permitting

#### Noisy Calliope Features Parade

Corporation XV will put on a booth depicting the workings of the stock market; an airplane race featuring the leading aces of the Institute will be run by the Aero Society; Scabbard and Blade will put on a military drill; and the Ordnance Society will show a burlesque on the latter, of which, it is declared, "the likes have never yet been seen." The Civils will illustrate, by means of novel apparatus, shear and bending motions.

The Electrical Society has secured a calliope for the parade. Those in charge of the parade tried to obtain the calliope used by Mayor Curley in the political campaign last fall, and hoped to hold a battle of "music" between the two, but it turned out that the mayor had rented his noise maker from a passing circus, and the latter is now many miles away.

The circus will be held the evening of February 27, a week from today, and will be absolutely free to all Institute men.

## Registration Office Releases Second Term Schedule Of Examinations

A complete schedule of examinations for the second term of the scholastic year has just been completed by the Registrar's office and appears below. The last exercises of the term will be held on Saturday March 14, except in Course VI, when they will be held on Wednesday, March 11. All examinations will be over by March 21.

#### SATURDAY, MARCH 14, 2 P.M.

\*M35 Mathematics ..... 3  
\*MS11 Military Science ..... 1  
(2 hours)

#### Special Examinations

#### MONDAY, MARCH 16, 9 A.M.

\*1.211 Ry. & Hy. Eng. ..... 3  
\*1.214 Ry. & Hy. Eng. ..... 3  
(2 hours)

1.144 Stat. Struct. ..... 4  
1.492 Structures ..... 4

1.51 Structures ..... 4  
1.562 Structures ..... 4

\*2.212 App. Mech. ..... 3  
2.214 App. Mech. ..... 2

2.217 App. Mech. ..... 2  
2.292 Ord. Eng. ..... 4

(2 hours)

\*2.50 Heat Eng. ..... 3  
2.711 Mach. Des. ..... 4  
2.753 Steam Turb. Eng. ..... 4  
(2 hours)

2.754 Fire Protec. Eng. ..... 4  
(2 hours)

\*3.31 Fire Assay ..... 3  
3.421 Metal. ..... 4

4.472 Eur. Civ. & Art ..... 4

\*5.651 Chem. Prin. ..... 3

6.322 Prin. of Elec. Comm. ..... 4

6.532 Pub. Serv. Co. ..... 4

7.07 Parasitology ..... 4  
(2 hours)

7.66 Epidemiology ..... 4

8.022 Physics ..... 2

8.302 Atom. Theor. II ..... 4

8.852 App. Electrochem. ..... 4  
(2 hours)

10.32, 10.321 Chem. Eng. ..... 4

10.362 Chem. Eng. ..... 4

13.512 Marine Eng. ..... 4

\*Ec56 Corp. Org. ..... 3

\*L611 French ..... 3

\*TM11 Mathematics ..... 1

Special Examinations

Continued on Page 4

## LACK OF SUPPORT ACCORDED TECHNOLOGY TEAMS DEcriED—ELIGIBILITY RULES STRESSED

### 1924 REUNION TAKES PLACE DURING MARCH

Members of the last year's Senior Class have arranged for a general get-together of all 1924 men, to be held in the Faculty and Alumni Dining Room, Walker, on Monday, March 2, at 6:30 o'clock. Tickets for the dinner at \$1.25 may be secured from W. H. Robinson '24, 8 Edmonds Street, Winter Hill. In addition to a discussion of general news and class plans, entertainment will be provided. The feature of the evening's program will be a movie of the activities and class incidents which have taken place during the years of the class career at the Institute entitled "Follies of 1924."

### BANQUET GIVEN BY T.E.N. LAST NIGHT

#### After Dinner Program Included Speeches By Numerous Prominent Men

At the fifth annual banquet of the Tech Engineering News given last night in Riverbank Court Hotel, the after dinner program of speeches given by prominent Alumni and men intimately connected with the Institute closed the staff competitions of the publication which have been going on this year. B. E. Groenwald, the General Manager in closing the evening read off a list of the successful candidates and gave an address of commendation and welcome to the new members of the staff.

T. B. Booth, President of the Alumni, was the first speaker on the program. In speaking of the problems of the Alumni, he praised highly the activities of the undergraduates at the Institute and gave a conception of the way the alumni feel towards that phase of student life.

#### Professor Miller Speaks

Professor E. F. Miller, Head of the Mechanical Engineering Department followed, and brought up the question of the honor system as a means to raise Technology to a still higher level as an Institution. He cited examples of the honor of the students in his course, saying that "he would be willing to put the whole Senior class strictly on its honor in regard to examinations."

"In men of your type lies the opportunity to bring the honor system in front of the students," the professor said in closing his talk.

Assistant Dean Lobdell gave a resume of the foundation of the publication, its trials and triumphs. "Last spring T. E. N. was in a bad position and I want to congratulate the management on the way they succeeded in coming through," he stated.

I. W. Litchfield '85 related humorous stories that kept everybody cheerful throughout his talk, while O. B. Denison '11, Secretary of the Alumni Association commended the publications and activities in keeping the Alumni in close touch with the Institute. J. P. Monroe '82, Secretary of the Corporation stated he had a better way of putting the honor system in force, "by abolishing examinations." He stated that "the professors should find some way of determining the standing of a man than examinations."

### MUSICAL CLUBS PLAY AT HYDE PARK TODAY

Tonight the Musical Clubs will give a concert and dance at the Masonic Lodge in Hyde Park, the first concert they have ever given in that district. Last year they had arranged to play for the Masons there, but the building in which they were to play burned down. The Club at once arranged with them for this year's concert, instead of waiting until this fall.

An agreement has finally been reached regarding the Dartmouth Concert, which will be held March 28 at the Somerset. The entire Musical Clubs of Dartmouth will participate, including the "Barbary Coast Jazz Band." The dance following the concert will be a battle of music between Dartmouth and Technology.

## ACTIVITIES WORK SUPPLEMENTAL TO CLASSROOM STUDY

### Financial Status Under Which Institute Activities Run Is Explained

#### NEED COURTESY IN SPORT

"Every word I say I believe is true from experience," said Dr. A. W. Rowe '01, in a talk to freshmen given yesterday. He then described the state that activities at the Institute are now in, saying that while our sports are clean, there is not enough support from the student body. Too many students pay no attention to our teams because they do not win as often as they might. They are losing sight of the true principle of sport, that it is the game that counts, and not the publicity of winning.

According to the speaker a great change has come over athletics since only 30 years ago. At that time individual performance was taken note of more than what the team as a whole did. Sport has been made popular. In former days seats to the Harvard-Yale games were free, while now the Stadium is not big enough to accommodate the crowd. This great increase in the advertising power of a college team brings a temptation to professionalize the sport.

**Eligibility Rules Must Be Strict**  
This has brought about the necessity of having rules for athletic eligibility so that teams may be kept on a parallel. Athletic councils have passed legislation to kill this evil, such as ruling that after a man has played on a college varsity for three years he is ineligible at that or any other college. "There are no two sides to the question. You are either professional or you are not. If you play for publicity or profit directly or indirectly you are a professional, for an amateur plays for the sport," said Dr. Rowe.

Good sportsmanship is playing clean for the game, to win within the spirit of the law. Some men at the Institute have the feeling that we are failing be-

(Continued on Page 4)

### SELECT ORCHESTRA TO PLAY AT JUNIOR PROM

Ed Wittstein's New Haven orchestra will play at the Junior Prom this year, the Committee has announced. Until the meeting of the Prom Committee Wednesday it was uncertain whether Wittstein or Weems of Philadelphia would be chosen.

The poster competition has now closed, and the winner will soon be decided on. The favors to be given at the prom have been chosen, but will not be announced until the night of the Prom.

Selling of sign-ups for the Prom will begin March 2, on which day Juniors may secure them. Seniors will have an opportunity on the next day, and on March 4 Sophomores and freshmen may sign up. Unless the names of all men wanting the tickets are given, only one sign-up will be sold to a man. Sign-ups will be redeemed March 30 and 31 and April 1. The total price of the ticket will be \$12, half of which is paid for the sign-up and half when the sign-up is redeemed.

### CALENDAR

Friday, February 20	Officers of R.O.T.C., Notman's Studio.


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Being cursed with a schedule that calls for nine o'clock every morning with nothing more to do twice a week until noon, the Lounger looks with partial favor upon an idea submitted by a man apparently in a similar fix. It is suggested that men be allowed to attend the first hour classes in bathrobes and slippers so that at the termination of the recitation or lecture, as the case may be, it will be possible to crawl back into bed with the least possible loss of sleep. This is an astoundingly brilliant idea, and has much to recommend it.

The one insect in the vaseline, however, is the fact that the walk over the bridge would be beastly cold for one clad only in dressing gown and slippers! Outside of this one drawback, it is a good scheme. Why not go one step further while we are about, and arrange a tunnel through which one may travel to classes in some sort of sleeping arrangement? \*

A truly remarkable exhibit appeared yesterday in the collection of geologically interesting objects. It is a peculiar, shapeless mass of some unknown material, imposed by some to be felt, bearing the label "Hat bearing dust of East Machias and El Paso, probably worn by a prehistoric man." After testing the dust with a sensitive "Whoosette" the Lounger finds that it resembles that of the Lubec district rather than East Machias.

The increasing number of wood alcohol poisoning cases resulting usually in total blindness has been called to the attention of the Lounger. The Lounger exhorts his friends to be exceedingly careful in accepting liquor whose antecedents are not known. He hopes that they will also refrain from offering him an eye-opener until they have themselves sampled the stuff! Caution, men, above all!

It is a shame that all the energy that some men put into learning foolish things can not be applied to studies. The Lounger knows a man who can rattle off up to thirty-six places, and to twenty-six, yet who has several conditions to take. What a waste of good memory! Think of all the pigeon holes of the brain that those strings of numbers must take up!

The Lounger has to admit it—he really was pleasantly surprised by the new Voo Doo. He always has realized the wonderful possibilities of Boston as humor, though Phosphorus apparently has just seen the light. However, they did pretty well with their opportunity, and, thank heaven, did not overdo it. "Boston by one who has been there" ought to make Voo Doo famous for eons. The Voo Doo outfit must get a lot of satisfaction out of putting out a good issue like this one once in a while.

Hurray! There is at least one other denizen of the Institute besides the Lounger who bewails our professional English (as she is spoke). To wit: Dear Lounger:

I know three professors who use "it don't." Thinking that you may be glad to seize this opportunity for editorial frenzy.

Abruptly yours, 1926.

\* \* \*  
Short, and to the point. The horrible mangling of our mother tongue by people at Technology who ought to know better, even if they don't, is enough to put any reasonably erudite person in a frenzy, whether an editorial one or not. The case in point is a comparatively minor offense, but its frequency makes it disturbing, to say the least. We want better and smoother English!

**Play Directory**

**COLONIAL:** Ziegfeld Follies. Ye usual old-line of hokumme.

**COPLEY:** "Androcles and the Lion." "O-

**FLAHERTY, V.C.** From Rome to Ireland.

**HOLLIS:** "The Swan." Romance from Europe.

**PLYMOUTH:** "Simon Called Peter." Reviewed in this issue.

**MAJESTIC:** "I'll Say She Is." Much ado about little or nothing.

**NEW PARK:** "New Brooms." Influence of cheer on business.

**ST. JAMES:** "Expressing Willie." Showing the shallowness of free thought.

**SELWYN:** "White Cargo." The Dark Continent conquers morals.

**SHUBERT:** Greenwich Village Follies. Assorted amusements.

**TREMONT:** "Peter Pan." Delightful fantasy—charming.

**WILBUR:** "Beggar on Horseback." Truths exaggerated in a dream—very good.



**MORALS AND MOCK NOT HIGHLY INTERESTING**

"Simon Called Peter" from the much talked of novel is in many ways disappointing. Had it been as risqué as many people imagine it to be, it would have been more interesting.

The plot, such as it is, has by this time become familiar to almost every one. The old theme about which so many plays and books have been written—the destruction of a man's high ideals through contact with the evils of life. We are told of the adventures of a young and well-meaning clergyman who leaves his parish in England (where he was really doing some good) to preach the Ten Commandments to men who are so wrapped up in the nasty business of war that they have no time for the dogmatic cant of one unfamiliar with the realities of life.

Deciding that a little research into the amusements of his men will do more good than harm, the padre goes in for wine, women, and song with a vengeance, casts off his clerical collar and soon becomes a miserable sinner like the rest of us.

His researches lead him through the wilds of the French cafes where the women have passed even the "questionable" stage, and of course complications result. This part of the play is merely an excuse for letting a woman undress as much as the censors permit. Finding that such diversions have a stronger appeal to the soldiers than religion, the padre gives up in disgust and goes off with a nurse and learns still more about the ways of this wicked world.

Still having some of his orthodox ideals, he offers to marry the girl. She knowing that such a match would not result in happiness, refuses. Being now sure that the entire world has dropped to a lower moral plane than the one to which he has been accustomed, the poor man quits the church. Here ends the play.

In one respect alone, is the play worth while. It tells truthfully of the present day soldiers' attitude toward war. War is stripped of its glamour, and becomes a sordid mess with discomforts that must somehow be forgotten. The only diversions at hand are wine and women, so morals are sidetracked, lest they interfere with the enjoyment of the pleasures of the moment.

Major Langton, with his sophisticated philosophy, is admirably played by Mr. Bunston. Miss Webster as the little French siren played her part very well, as did the other members of the cast. Mr. Wiley, as Peter Graham, the clergyman gone astray, makes his character as nearly real as is possible. Julie, the hospital aide with whom the padre spends his leaves in London is by all means the best actress though she is, perhaps, not as attractive at the start, as one might wish.

There you have the play. If you like that sort of thing, may you enjoy it. If you do not, we congratulate you upon your taste.

W.A.

**Church Directory**

First Presbyterian Church—Columbus Ave. and Berkeley St., Boston

Sunday, Feb. 22, 1925  
10:30—Worship and sermon, Dr. Watson.  
12:00—Students' Discussion Class and Bible School.

6:00—Supper served in vestry, followed by C.E. Meeting.

7:30—Worship and sermon, Dr. Watson.

Prospect St. Congregational Church (near Central Square, Cambridge), Rev. W. M. Macnair, Pastor

Sunday, Feb. 22, 1925  
10:30—Service of worship. Sermon subject: "God the Master of Our Lives."

12:00—The Prospect Class of Men and the Triangle Class of Young Men are live groups which meet every Sunday. Tech men will find this a young folks church.

4:00—Vesper Service. A special program of music by the choir under the leadership of A. M. Gardner of the Conservatory of Music. Mr. Macnair will speak of "The Elements of Character Which Made Washington Great."

Mt. Vernon Church—Beacon St. and Mass Ave., Boston, Rev. Sidney Lovett, Minister

Sunday, Feb. 22, 1925  
11:00—Morning Worship, Mr. Lovett will preach.

12:30—Bible Study Group led by the minister.

7:30—Young People's Society. Speaker: Rev. D. Brewer Eddy. Subject: "Assets and Liabilities of Idealism."

Temple Israel—Commonwealth Ave. at Blandford Sts., Boston

Saturday, Feb. 21, 10:30 A.M.—Rabbi Wolk

"Law and Justice."

Sunday, Feb. 22, 11:00 A.M.—Rabbi Levi "Crystallized Lies." No. 2, "You Can't Change Human Nature."

First Baptist Church—Cor. Commonwealth Ave. and Clarendon Sts., Boston

Sunday, Feb. 22, 1925  
10:30—Morning service. Sermon by Rev. Frederick E. Heath.

12:00—Students' discussion group. Subject: "Present Day Value of the Bible."

7:30—Students' social group. General debate. Subject: "Relative Contributions of business and the legal professions of the Christian Social Order."

Trinity Church, Boston

Sunday, Feb. 22, 1925  
10:00—Classes for Young People.

11:00—Morning service and sermon.

4:00—Fathers and Sons service.

5:30—Young Peoples' Fellowship—Musical.

**Catherine Gannon**

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**BOYLSTON at CLARENDON**

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**INTERESTING HISTORICAL EVENTS**

**Do You Know**

—that John Hancock, as President of Congress, signed the commission of George Washington as Commander-in-Chief of the American armies in the Revolutionary War? The original commission is at Washington, D. C., in the Library of Congress, Division of Manuscripts, where you may see it at any time and note the famous signature.

The John Hancock is particularly interested in insuring college men and women and obtaining college graduates for the personnel of the field staff.

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# BEAVER BASEBALL GETS UNDER WAY

## Brown Takes Second Game of Season From Engineer Quintet Wednesday

### Mass Meeting Wednesday Starts Players Off For Successful Ball Season

Baseball got under way on Wednesday afternoon when an enthusiastic crowd of baseball fans listened to the plans for the Beaver baseball club which will be organized at Technology this spring. Dr. A. W. Rowe '01 stated the standing of the Advisory Council on the whole matter while Doc McCarthy and Luke Bannon gave some coaching sidelines and Bill Robinson, second sacker on last year's team, talked from the player's point of view.

**Team Out to Win**  
Both Luke Bannon and Doc McCarthy spoke on the outlook for the season, the latter making a strong appeal to the men to come out with the spirit of competition firmly rooted in their minds. "There are too many fellows at the Institute who do not stick, —come out for a few days and then because the coach does not use them in practice, chuck the whole thing and never show up again," he said.

Bill Robinson gave a cheering talk on the whole situation confronting the team. "We have only a small amount of money to go through the season, but we will be fully equipped and have prospects for a good number of trips. We just have to get going with the stuff we have on hand and put this test year across. The general policy at Technology is to get a lot of men out for sports regardless of whether the team wins or not,—well, we are going to change one part, we are going out to win."

#### Good Schedule Arranged

Battery practice Saturday afternoon in the hangar will be the opener of the spring training campaign when Luke Bannon who has been selected to coach the team will give his pitching and catching candidates the once over. Bill Cline, last year's frosh backstop is back and there are several other aspirants for this position who intend to show up Saturday. Luke has no regular pitchers of last year's team on deck for his staff as Tommy Fitzgerald who handled all the mound work for the "informal varsity" has graduated. However, Ingram, Richards, Weibe, and Bates are pitchers of no little ability, especially Weibe who has a fast whip that sends the horsehide like a cannon ball before the batter.

An attractive schedule has been arranged by Art Tacy '27, manager of the team, which takes in many headliner college teams including Holy Cross, the leader of the eastern inter-collegiate baseball ranks. Most of the games will be away from home as the playing grounds at the Institute are poor for the accomodation of many spectators.

#### RUNNERS ENTERED IN AMERICAN LEGION MEET

Continued from Page 1

entrant in the two mile run which will bring together some of the best two milers in the colleges in this part of the country. John Ostborg is the only other official Tech entrant in this event. A. W. Francis, a student at the Institute, will run in the two mile event unattached.

The 1000 yard run is practically an all freshman affair for Arnold Bailey, a senior, is the only upperclassman entered. Captain Eddie Chute of the frosh cross country team, Pete Kirwin and R. E. Walsh, all frosh, will run for Technology in this event and all are capable of negotiating the distance in good time.

Tech students will find an additional incentive in attending the games from the fact that Willie Ritola, star runner of the Finnish American A. C., will be on hand to run in the big legion mile event. The Finn will have fast company in Lloyd Hahn of the B. A. A., who recently chalked up a new low mark in the mile and in Joie Ray, long hailed as America's greatest mile runner. Leo Larrivee of Holy Cross and Willie Tibbets of Harvard will be on hand to make the going interesting for the "big fellows."

In view of the fact that Monday is a holiday, the management expects a large turnout of Tech students at the meet. Track managers are not selling tickets for this event but they can be obtained at the door on the afternoon of the games.

### SWIMMERS TO MEET WILLIAMS SATURDAY

On Saturday, the swimming team journeys to Williamstown to meet the strong Williams team. So far this season, the swimmers have been unable to come through with a win, and with the weakened lineup that they will present against the Purple, the outlook for a win is not especially bright.

Johnson, who has been doing fine work on the backstroke and the relay, has not yet recovered sufficiently from the attack of influenza that he suffered at Syracuse to be able to swim. Walworth is back in the lineup after a couple of weeks absence due to illness, and will probably be able to swim Saturday. He will turn all his energies to the relay, and leave the breastroke to Korns and Purcell.

Armstrong will have a fine man against him in the fifty in Motter of the Purple. Motter has been doing 26 3-5 seconds all year, which is about what Armstrong has averaged. He will also swim the relay and the backstroke, giving him a busy afternoon.

#### Engineers Strong in Plunge

The relay will present a slightly revamped lineup due to Johnson's illness. Walworth, who is a fast dash man as well as a breastroker will replace Johnson. The remainder of the team will be the same as swam against Syracuse: Armstrong, Weis, and Parsons. There will be no dives on the program due to the very low ceiling which makes diving impossible. This will prevent Woods one of the most consistent men on the Beaver team from diving, and almost certainly scoring.

Weis will meet a good man in Parker of the Williams team, one who has been turning in some good times all year. He is almost certain of being able to better 2 minutes, 58 seconds in the 220 yard swim, which is the best time that Weis has shown this year. Williams has a fine breastroker in Babbit, who though he was beaten by Case, the Amherst star, is still capable of making some fine times. Since Walworth is not swimming the breastroke, the burden will fall on Korns. Korns took first at Syracuse in this event, and is capable of turning in some good times. Purcell will swim in this event for the first time this season.

The plunge is almost certain to go to Ford who has been increasing his distance in the under water swim every day.

### Freshmen Win Close Track Contest From Rindge on Boards Wednesday

Technology freshmen defeated Rindge Technical High School 29 to 25 in a closely contested track meet on the board oval at Tech Wednesday afternoon. The engineer frosh reigned supreme in the distance events and in the high jump, but the high school tracksters had it all their own way in the shot put and in the sprints.

Jewell of Rindge starred for the high school by taking first in the 40 yard dash and in the 300 yard run and by taking away a neat second in the 16 pound shot. First honors in the 600 and 1000 yard runs and in the high jump went to the engineers by a good margin and although both teams divided first honors fairly evenly, the string of seconds and thirds amassed by the technology frosh were sufficient to win the meet.

#### Tech Good in Distance Runs

Although Jewell of Rindge negotiated the 40 yard dash in the good time of 4.4-5 sec. he was pressed all the way by Shiepe and Moggio of the engineer frosh who placed second and third respectively. The same trio placed in the 300 yard run.

Cy Meagher of Tech had little trouble in taking the 600 yard run in 1 minute 21 4-5 seconds from Campbell of the high school team. Pete Kirwin of the frosh placed third in this event. Eddie Chute of the engineers ran true to prediction in breaking the worsted first in the 1000 yard event although he had some fast competition in the persons of Goodwin of Rindge and Walsh of Technology.

### ENGINEER WRESTLERS MEET BROWN ON MAT

The engineer wrestling team meets Brown University at Providence tomorrow in what looks like one of the most interesting meets of the season. Due to an injury received in a practice bout earlier in the week, Captain Fred Greer will not wrestle in the 158 pound fracas. Haliburton will probably wrestle in this event.

Brown is particularly primed for the engagement as they have always found in Technology a keen rival on the mat. Tech will be represented by Coyle, in the 115 pound class; Kurtin, 125 pound; Horel, 135 pound; Drum, 145 pound; Tryon, 175 pound and Burke in the unlimited class.

**YALE WINS FROM TECH IN HOCKEY**

### Elis Score Easy Victory 4 to 0 On Arena Ice Surface Wednesday

Yale had little trouble in defeating Technology 4 to 0 in a hockey game on the Arena surface Wednesday night. The Eli sextet ran up a total of three points in the first period which practically put the game on ice for the New Haven delegation.

Bill Berkeley in right defense position starred for the engineer team and was the only Technology player to break through the Yale defense and give the Eli goalie a chance to do his stuff. Yale broke through the engineer defense at frequent intervals and stormed the engineer net with a number of pretty shots which kept Johnny Deignan busy throughout the game.

Captain Jenkins of Yale played for a portion of the second and third periods in front of the net for the Yale sextet but Ives held this position for the major part of the contest for the New Haven delegation. The Elis had their seconds in the game during the latter periods and kept the regulars in for the opening sessions.

The game was cleanly played and no penalties were inflicted on either of the teams. Turnbull, Yale right wing, sustained a knockout and stopped the game momentarily near the close of the first period when he dashed against the boards on the side of the rink.

**PROVIDENCE TEAM SCORES IN EARLY PART OF CONTEST**

### Hinck Leads Scoring Column for Technology With Four Field Goals

### HANDICAPPED BY INJURIES

Brown University basketball team repeated its earlier victory of the season by defeating the engineer varsity five Wednesday at Providence by a 39-20 score. It was Brown's game all the way, the Tech five failing to make a close run. Ernie Hinck played a fine game, sinking four baskets, and giving a fine performance at guard. Wagenknecht was the high scorer for the Brown outfit, making seven goals.

Brown's superior passing game and their eye for the basket brought them the game. Nearly all their shots were made from under the basket, after working the ball down through the Tech defense.

#### Brown Scores Early

Brown scored early in the game, and began flashing the ball down the floor rapidly for counters under the basket. The Tech defense was unable to check the attack, and Brown rolled up a substantial lead. Hinck dropped a few pretty double deckers for Tech, most of which came from a distance. The Beaver team had hard luck on their shooting, easy shots failing to go in. They fought hard to win, but Brown had a better organized team, and their team work and rapid passing left the Tech team behind, and they pulled away to a 39-20 win.

The Tech team was handicapped by having two of its players not in the best of playing condition. Forrester had a cut over his eye, which inconvenienced him in shooting, and he was not able to come up to his usual score. He is usually good for at least three baskets in a game, but he came through with only one from the floor.

Ingram was bothered with an injured thumb, but he was able to get into the line up, and he played a fine defensive game throughout. Ernie Hinck led the scoring of the Beaver team, and played his usual all around game. His guarding spoiled a number of threatening plays.

Although Phi Gamma Delt lead Delta Kappa Epsilon at half time 6 to 1, the Dukes came back strongly to win 10 to 9. Walsh sunk a field goal and two free throws by Bill Noel clinched the contest in the final quarter.

### Dorm Basketball

#### Results of Monday's matches:

Runkle—3 vs. '93—1  
Crafts—4 vs. Ware—0  
Nichols—4 vs. Holman—0  
Gould, of Holman, rolled highest single string with 109.

#### Team Standing

	P.C.
Runkle	.812
Nichols	.782
Crafts	.675
'93	.500
Atkinson	.406
Ware	.325
Holman	.000

### THE STORE FOR MEN

#### Washington Street at Summer



### College Man's Tuxedo That's Exactly Correct

Careful study into the requirements of college men has resulted in this Tuxedo, now being enthusiastically received in every college throughout New England.

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Tailored in our own shops. Straight back coat with wide, soft roll notch lapels; braid trimmed trousers, medium full with 19-inch bottom.

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BOSTON

## PICTURE OF WIRE ROPE MAKING SEEN

Mechanical Engineering Society Shows Its Manufacture In Weekly Movie

Six reels were shown on the manufacture of wire rope at last Wednesday's Mechanical Engineering Society movie. The process was shown from the point where the raw ore is smelted in open hearth furnaces, to the final stage of being made into wire rope.

The method of blowing the slag out of the hearths by compressed air was shown. Thirty percent of the steel is rejected at the first step when both ends of the billets are cut off to get rid of the portion carrying the greatest amount of impurity. The billets are then stamped with a number, and stored. Later if any one of these billets proves defective, the whole lot can be rejected, keeping the quality of the output up to standard.

Next Tuesday, the uses of gasoline will be described by Professor C. N. Allen, one of the best known engineers in the country on the testing of turbines, and the flow of water in channels by the salt method. He has had experience with the operation of the Alden dynamometer, used for testing turbines. One of these dynamometers is in use in the Institute steam laboratory. Professor E. F. Miller will also give a short talk. The meeting will be open to all members of Course II, and will be held in north hall, Walker, at 8 o'clock.

## MILITARY SOCIETY WILL HOLD DANCE TONIGHT

Technology's annual Military Ball will be held tonight in Walker from 8 to 12 o'clock. The dance is open to all members of the Advanced R. O. T. C., and those attending will be in military uniform.

Officers from the Institute are invited to attend as well as those from the Air Port, Army Base, and Navy Yard. Tickets at \$2 a couple will still be on sale today, in the main lobby, and may also be obtained from members of Scabbard and Blade and from Lieutenant Levy of the Military Science Department.

The dance will mark the appearance of the new flag of the Technology R. O. T. C. unit, as well as the new national colors which were recently presented by the Reserve Officers Association. Music will be furnished by Hackett's Orchestra.

## ALUMNUS SPEAKS AT NEXT ALDRED LECTURE

(Continued from Page 1)

Physical Society, Illuminating Engineering Society, and the Steel Treating Research Society.

Dr. Whitney is also a trustee of the Albany Medical College and Union College. Prominent in scientific and engineering circles, he is a member of numerous organizations, including the National Academy of Sciences, the American Academy of Arts and Sciences, and the American Institute of Mining and Metallurgical Engineers. He is the author of "Translation of M. Le Blanc's Electro-Chemistry" and numerous papers on education and research.

## DR. ROWE SCORES STUDENT APATHY

### Points Out Advantages of Work In Institute Sports and Other Activities

(Continued from Page 1)

cause few winning teams are produced. Winning teams could easily be put out if the tradition of clean sportsmanship were lowered, and athletes were bought, either by paying them directly to play, or by allowing them to get a degree with a minimum of study. This would be unethical and is contrary to the Institute traditions.

### Institute Sports at Disadvantage

Dr. Rowe said that Institute sports were at a disadvantage because there is no dormitory life, and the student body is so cosmopolitan. Some years ago there was a team which started well, but always lost after a few minutes' play. The trouble was that they consistently broke training. It was several years before this lack of true spirit could be overcome. "If you win it is because you are better than the other fellow, or because you put more heart into the game, that intangible something which makes a man refuse to quit," he said.

It is not usual for the students to operate their own activities completely, having sole responsibility on all questions including the expenditure of money. On thirty-five thousand dollars the students of Technology run thirty activities, while other colleges have been known to expend ten times that amount with no greater success.

Courtesy in sport is essential, stated Dr. Rowe in telling how Harvard sent men to a freshman relay race at the Institute, and five men of the freshman team failed to appear. Another rule of the true sportsman is that there is no credit in winning through taking an unfair advantage of an opponent.

### Activities Part of Education

"Education is not learned in the class room only, but also through contact with fellow students by means of activities. The man who has been in student activities is the one who can meet men, who has strength of personality, and who can impress other men with his worth," remarked the speaker.

In regard to the men who say, "Tech produces no winning teams so why should I be interested," Dr. Rowe said activities let you get the most out of college, and that if the present students do not show more interest, it will be necessary for future classes to start all over again because the activities will die of neglect.

## EXAMINATION SCHEDULE FOR TERM ANNOUNCED

Continued from Page 1

### MONDAY, MARCH 16, 1.30 P.M.

*1.11	Spher. Trig.	2
(2 hours)		
*1.62	Hydraulics	4
1.69	Water Pow. Eng.	4
1.812	Eng. of Wat. & Sew. Purif.	G
(2 hours)		
2.272	Th. of Elas.	4
2.207	App. Mech.	Sp.
*2.25	Dyn. of Mach.	4-G
*2.04	Mach. Des.	4
2.742	Adv. Mach. Des.	G
2.7592	Refrigeration	4
3.492	Met. of Com. Met.	3-4
4.482	Eur. Civ. & Art	G
5.02	Chemistry	1
5.29	Opt. Meth. in Ch. Anal.	4
(2 hours)		
5.67	Chem. Prin.	4
6.22	Cent. Stat.	4
6.542	Pow. Sta. & Dis. Sys.	G
7.05	Zoology. Invert.	2
7.272	Biochemistry	3
8.31	El. of Tensor Cal.	G
(2 hours)		
8.635	Rigid Airpl. Des.	G
\$10.31	Chem. Eng.	4
*Ec22	Pol. Econ.	2
(2 hours)		
Ec.32	Pol. Econ.	3
(2 hours)		
Ec57	Corp. Finance	3
L612	French	
M121	Mathematics	2
Special Examinations		

### TUESDAY, MARCH 17, 1.30 P.M.

Li122	German	2
Li132	German	2-3
Li142	German	2
*MS21	Mil. Science	2
Special Examinations		

TUESDAY, MARCH 17, 1.30 P.M.

*2.20	App. Mech.	3
*2.40	Heat Eng.	3-G
2.462	Heat Eng.	3-4
2.77	Ind. Plants	4
3.05	El. of Mining	4
4.512	Philos. of Arch.	4
(2 hours)		
5.251	Chem. of Foods	4
(2 hours)		
6.05	Prin. of Elec. Eng.	4
6.512	Elec. Circuits	G
7.53	Ind. Hyg. & San.	4
(2 hours)		
8.011	Physics	1
8.252	Electronag. Th.	G
8.432	Photo-Elas.	G
13.022	Naval Arch.	4
13.115	Th. of Warship Des.	Sp.
13.60	Steam Turbines	4
*Ec31	Pol. Econ.	3
(2 hours)		
Ec61	Bus. Law	4
*L621	French	
M22	Mathematics	2
Special Examinations		

TUESDAY, MARCH 17, 1.30 P.M.

*2.451	Heat Eng.	4
*2.461	Heat Eng.	3-4
*5.01	Chemistry	1
*5.50	Org. Chem.	2-3
(2 hours)		
*6.41	El. Elec. Eng.	3-4
(2 hours)		
*10.21	10.211 Ind. Chem.	3-4
*M23	Mathematics	2
M23	Mathematics	2
Special Examinations		

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Special Examinations		

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